

U.S. TSUBAKI STOCK SPROCKETS

No. 35 $\frac{3}{8}$ " Pitch — Plain Bore

Dimensions are in inches unless otherwise indicated.

Type A				Type B Plain Bore					
No. Teeth	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8				35B8	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{3}{4}$	$\frac{3}{4}$	.11
9				35B9	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{27}{32}$ ▲	$\frac{3}{4}$	.12
10				35B10	$\frac{3}{8}$	$\frac{9}{16}$	$\frac{31}{32}$ ▲	$\frac{3}{4}$	.14
11				35B11	$\frac{3}{8}$	$\frac{3}{4}$	$1\frac{1}{16}$ ▲	$\frac{3}{4}$	.16
12				35B12	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{7}{32}$ ▲	$\frac{3}{4}$	.21
13				35B13	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$ ▲	$\frac{3}{4}$	.25
14				35B14	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$ ▲	$\frac{3}{4}$	.25
15	35A15	$\frac{1}{2}$	.11	35B15	$\frac{1}{2}$	1	$1\frac{3}{8}$	$\frac{3}{4}$	.34
16	35A16	$\frac{1}{2}$	.12	35B16	$\frac{1}{2}$	1	$1\frac{15}{32}$	$\frac{3}{4}$	.37
17	35A17	$\frac{1}{2}$	.14	35B17	$\frac{1}{2}$	1	$1\frac{5}{8}$	$\frac{3}{4}$	.46
18	35A18	$\frac{1}{2}$	.16	35B18	$\frac{1}{2}$	$1\frac{1}{16}$	$1\frac{3}{4}$	$\frac{3}{4}$	.53
19	35A19	$\frac{1}{2}$	.17	35B19	$\frac{1}{2}$	$1\frac{3}{16}$	$1\frac{7}{8}$	$\frac{3}{4}$	.60
20	35A20	$\frac{1}{2}$	.19	35B20	$\frac{1}{2}$	$1\frac{3}{16}$	$1\frac{15}{16}$	$\frac{3}{4}$	.68
21	35A21	$\frac{1}{2}$	.21	35B21	$\frac{1}{2}$	$1\frac{1}{4}$	$2\frac{1}{8}$	$\frac{3}{4}$	.74
22	35A22	$\frac{1}{2}$	.24	35B22	$\frac{1}{2}$	$1\frac{1}{4}$	$2\frac{1}{8}$	$\frac{3}{4}$	.78
23	35A23	$\frac{1}{2}$	.26	35B23	$\frac{1}{2}$	$1\frac{1}{4}$	$2\frac{1}{8}$	$\frac{3}{4}$	.81
24	35A24	$\frac{1}{2}$	.28	35B24	$\frac{1}{2}$	$1\frac{1}{4}$	$2\frac{1}{8}$	$\frac{7}{8}$	.90
25	35A25	$\frac{1}{2}$	.31	35B25	$\frac{1}{2}$	$1\frac{1}{4}$	$2\frac{1}{8}$	$\frac{7}{8}$	.93
26	35A26	$\frac{1}{2}$	.33	35B26	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.30
27	35A27	$\frac{1}{2}$	.36	35B27	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.40
28	35A28	$\frac{1}{2}$	.38	35B28	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.40
30	35A30	$\frac{1}{2}$	.44	35B30	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.50
32	35A32	$\frac{1}{2}$	.50	35B32	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.60
35	35A35	$\frac{1}{2}$	.61	35B35	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.70
36	35A36	$\frac{1}{2}$	.64	35B36	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.70
40	35A40	$\frac{5}{8}$	.79	35B40	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.80
42	35A42	$\frac{5}{8}$	.90	35B42	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.90
45	35A45	$\frac{5}{8}$	1.00	35B45	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	2.00
48	35A48	$\frac{5}{8}$	1.10	35B48	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	2.10
54	35A54	$\frac{5}{8}$	1.40	35B54	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	2.40
60	35A60	$\frac{3}{4}$	1.80	35B60	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	2.80
70	35A70	$\frac{3}{4}$	2.40	35B70	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	3.40
72	35A72	$\frac{3}{4}$	2.60	35B72	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	3.60
80	35A80	$\frac{3}{4}$	3.20	35B80	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	4.20
84	35A84	$\frac{3}{4}$	3.50	35B84	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	4.50
96	35A96	$\frac{3}{4}$	4.60	35B96	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	5.60
112	35A112	$\frac{3}{4}$	6.30						

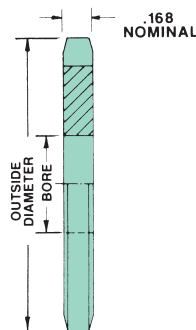
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

▲ Has recessed groove in hub for chain clearance

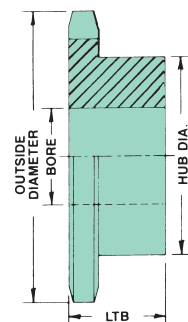
† Dimensions shown allow for standard keyway with set screw at 90°

CHAIN TECHNICAL DATA

Size	35
Pitch	$\frac{3}{8}$ "
Inside Width	$\frac{3}{16}$ "
Roller Diameter	.200"



TYPE A



TYPE B

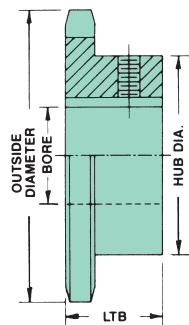
No. 35 $\frac{3}{8}$ " Pitch — Finished Bore

Dimensions are in inches unless otherwise indicated.

Type F Bored to Size							Sprocket Diameters		
No. Teeth	Catalog Number	Available Bores (Includes Standard KW & 2SS)					Outside Diameter	Pitch Diameter	$\frac{3}{8}$ " Pitch Caliper Diameter
9	35B9F	$\frac{3}{8}$ ■					1.255	1.096	.880
10	35B10F	$\frac{3}{8}$ ■, $\frac{1}{2}$, $\frac{5}{8}$ ●					1.379	1.214	1.014
11	35B11F	$\frac{3}{8}$ ■, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ ●					1.502	1.331	1.118
12	35B12F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$					1.625	1.449	1.249
13	35B13F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$					1.746	1.567	1.356
14	35B14F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$					1.868	1.685	1.485
15	35B15F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1 ●					1.989	1.804	1.594
16	35B16F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1 ●					2.110	1.922	1.722
17	35B17F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1					2.231	2.041	1.832
18	35B18F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1					2.352	2.160	1.960
19	35B19F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1					2.472	2.278	2.071
20	35B20F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1					2.593	2.397	2.197
21	35B21F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1					2.713	2.516	2.309
22	35B22F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1					2.833	2.635	2.435
23	35B23F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1					2.953	2.754	2.548
24	35B24F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1					3.073	2.873	2.673
25	35B25F	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1					3.194	2.992	2.786
26	35B26F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					3.313	3.111	2.911
28	35B28F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					3.553	3.349	3.149
30	35B30F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					3.793	3.588	3.388
32	35B32F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					4.032	3.826	3.626
35	35B35F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					4.392	4.183	3.979
36	35B36F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					4.511	4.303	4.103
40	35B40F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					4.990	4.780	4.580
42	35B42F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					5.229	5.018	4.818
45	35B45F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					5.588	5.376	5.173
48	35B48F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					5.946	5.734	5.534
54	35B54F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					6.664	6.449	6.249
60	35B60F	$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$					7.380	7.165	6.965

Hub diameter may vary to suit bore sizes

- Indicates set screw at 90° and 180° from keyway
- Furnished without keyway



TYPE B

CHAIN TECHNICAL DATA

Size	35
Pitch	$\frac{3}{8}$ "
Inside Width	$\frac{3}{16}$ "
Roller Diameter	.200"

U.S. TSUBAKI STOCK SPROCKETS

No. 35 $\frac{3}{8}$ " Pitch — Stainless Steel

Dimensions are in inches unless otherwise indicated.

Single — Type B — Stainless Steel							
No. Teeth	Outside Diameter	Catalog Number	Plain Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
9	1.260	35B9SS	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{27}{32}$ ▲	$\frac{3}{4}$	.10
10	1.380	35B10SS	$\frac{3}{8}$	$\frac{9}{16}$	$\frac{31}{32}$ ▲	$\frac{3}{4}$	.15
11	1.500	35B11SS	$\frac{3}{8}$	$\frac{9}{16}$	$1\frac{1}{16}$ ▲	$\frac{3}{4}$	.20
12	1.630	35B12SS	$\frac{1}{2}$	$\frac{5}{8}$	$1\frac{7}{32}$ ▲	$\frac{3}{4}$	.22
13	1.750	35B13SS	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$ ▲	$\frac{3}{4}$	.25
14	1.870	35B14SS	$\frac{1}{2}$	$\frac{7}{8}$	$1\frac{1}{4}$	$\frac{3}{4}$	.26
15	1.990	35B15SS	$\frac{1}{2}$	$\frac{7}{8}$	$1\frac{11}{32}$	$\frac{3}{4}$	.30
16	2.110	35B16SS	$\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{15}{32}$	$\frac{3}{4}$	.40
17	2.230	35B17SS	$\frac{1}{2}$	$1\frac{1}{16}$	$1\frac{19}{32}$	$\frac{3}{4}$	.43
18	2.350	35B18SS	$\frac{1}{2}$	$1\frac{3}{16}$	$1\frac{23}{32}$	$\frac{3}{4}$	.50
19	2.470	35B19SS	$\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{27}{32}$	$\frac{3}{4}$	.56
20	2.590	35B20SS	$\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{15}{16}$	$\frac{3}{4}$	.68
21	2.710	35B21SS	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.80
22	2.833	35B22SS	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.82
23	2.950	35B23SS	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.87
24	3.070	35B24SS	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.89
25	3.190	35B25SS	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.91
26	3.310	35B26SS	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.93
28	3.550	35B28SS	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.00
30	3.790	35B30SS	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.06
32	4.032	35B32SS	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.13
35	4.390	35B35SS	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.56
40	4.990	35B40SS	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.70
45	5.590	35B45SS	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	2.18
60	7.380	35B60SS	$\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	3.00

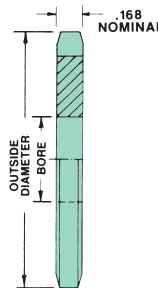
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

▲ Has recessed groove in hub for chain clearance

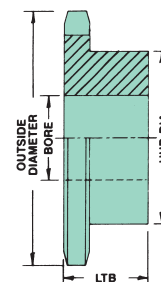
C - SPROCKETS

CHAIN TECHNICAL DATA

Size	35SS
Pitch	$\frac{3}{8}$ "
Inside Width	$\frac{3}{16}$ "
Roller Diameter	.200"



TYPE A



TYPE B

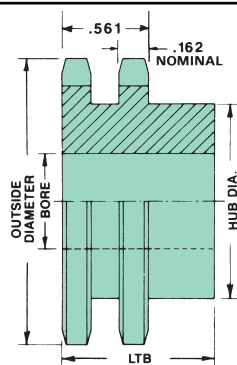
No. 35 ³/₈" Pitch — Multiple Strand

Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions			35-2 Double Strand				
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
13	1.746	1/2	D35B13	1 1/8	1 1/4	3/4	.35
14	1.868	1/2	D35B14	1 1/4	1 1/4	13/16	.42
15	1.989	1/2	D35B15	1 11/32	1 1/4	7/8	.53
16	2.110	1/2	D35B16	1 15/32	1 1/4	15/16	.63
17	2.231	1/2	D35B17	1 19/32	1 1/4	1 1/16	.74
18	2.352	1/2	D35B18	1 23/32	1 1/4	1 1/8	.86
19	2.472	1/2	D35B19	1 27/32	1 1/4	1 1/4	.98
20	2.593	1/2	D35B20	1 31/32	1 3/8	1 5/16	1.21
21	2.713	1/2	D35B21	2 1/16	1 3/8	1 3/8	1.37
22	2.833	1/2	D35B22	2 3/16	1 3/8	1 7/16	1.54
23	2.954	1/2	D35B23	2 5/16	1 3/8	1 1/2	1.70
24	3.074	1/2	D35B24	2 7/16	1 3/8	1 5/8	1.90
25	3.194	1/2	D35B25	2 9/16	1 3/8	1 11/16	2.07
26	3.314	1/2	D35B26	2 11/16	1 3/8	1 3/4	2.26
30	3.793	1/2	D35B30	3 5/32	1 3/8	2	3.15
36	4.511	1 1/16	D35B36	2 1/2	1 3/8	1 3/4	3.30
42	5.229	1 1/16	D35B42	2 1/2	1 3/8	1 3/4	4.30
48	5.946	1 1/16	D35B48	2 1/2	1 3/8	1 3/4	5.40
52	6.425	1 1/16	D35B52	2 1/2	1 3/8	1 3/4	6.20
60	7.380	1 1/16	D35B60	2 1/2	1 3/8	1 3/4	8.00

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

† Dimensions shown allow for standard keyway with set screw at 90°



TYPE B

CHAIN TECHNICAL DATA

Size	35-2
Pitch	3/8"
Inside Width	3/16"
Roller Diameter	.200"

U.S. TSUBAKI STOCK SPROCKETS

No. 35 $\frac{3}{8}$ " Pitch — TAPER-LOCK®

Dimensions are in inches unless otherwise indicated.

Type B TAPER-LOCK®							
No. Teeth	Outside Diameter	Catalog Number	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
18	2.352	35BTL18	1008	1	1 $\frac{7}{8}$ ▲	$\frac{7}{8}$	.40
19	2.472	35BTL19	1008	1	1 $\frac{13}{16}$ ▲	$\frac{7}{8}$	.50
20	2.593	35BTL20	1008	1	1 $\frac{15}{16}$	$\frac{7}{8}$	.60
21	2.713	35BTL21	1008	1	2 $\frac{1}{16}$	$\frac{7}{8}$	.70
22	2.883	35BTL22	1210	1 $\frac{1}{4}$	2 $\frac{3}{8}$ ▲	1	.80

▲Has recessed groove in hub for chain clearance

Dimensions are in inches unless otherwise indicated.

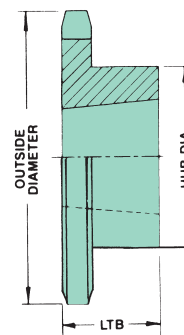
TAPER-LOCK® Bushings			
Bushing	Bore Range		Wt. Lbs.
1008	$\frac{1}{2}$	— 1	.20
1210	$\frac{1}{2}$	— 1 $\frac{1}{4}$	.55

Refer to page C-66 for bushing specifications

TAPER-LOCK® is a registered trademark of Rockwell Automation.

CHAIN TECHNICAL DATA

Size	35
Pitch	$\frac{3}{8}$ "
Inside Width	$\frac{3}{16}$ "
Roller Diameter	.200"



TYPE B

No. 35 $\frac{3}{8}$ " Pitch — QD®

Dimensions are in inches unless otherwise indicated.

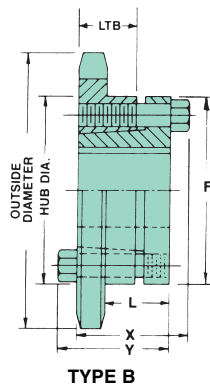
35 QD® $\frac{3}{8}$ " Pitch												
No. Teeth	Outside Diameter	Catalog Number	Bushing	Max. Bore	Hub Type	Dia.	LTB	X	Y	L	F	Wt. Lbs.
19	2.472	35JA19	JA	1¼	B	2 $\frac{1}{16}$	$\frac{9}{16}$	1	1	$\frac{45}{64}$	2	.30
20	2.593	35JA20	JA	1¼	B	2 $\frac{1}{16}$	$\frac{9}{16}$	1	1	$\frac{45}{64}$	2	.30
21	2.713	35JA21	JA	1¼	B	2 $\frac{1}{16}$	$\frac{9}{16}$	1	1	$\frac{45}{64}$	2	.30
24	3.074	35JA24	JA	1¼	B	2¼	$\frac{9}{16}$	1	1	$\frac{45}{64}$	2	.50
25	3.194	35JA25	JA	1¼	B	2¼	$\frac{9}{16}$	1	1	$\frac{45}{64}$	2	.50
26	3.314	35JA26	JA	1¼	B	2¼	$\frac{9}{16}$	1	1	$\frac{45}{64}$	2	.50
27	3.434	35JA27	JA	1¼	B	2¼	$\frac{9}{16}$	1	1	$\frac{45}{64}$	2	.60
28	3.553	35JA28	JA	1¼	B	2¼	$\frac{9}{16}$	1	1	$\frac{45}{64}$	2	.60
30	3.793	35JA30	JA	1¼	B	2¼	$\frac{9}{16}$	1	1	$\frac{45}{64}$	2	.70
40	4.990	35SH40	SH	1 $\frac{11}{16}$	B	3	$\frac{9}{16}$	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1 $\frac{1}{64}$	2 $\frac{11}{16}$	1.40
48	5.946	35SH48	SH	1 $\frac{11}{16}$	B	3	$\frac{13}{16}$	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1 $\frac{1}{64}$	2 $\frac{11}{16}$	1.70

Dimensions are in inches unless otherwise indicated.

QD® Bushings				
Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
JA	$\frac{1}{2}$ — 1	1 $\frac{1}{16}$ — 1 $\frac{3}{16}$	1¼	.80
SH	$\frac{1}{2}$ — 1 $\frac{3}{8}$	1 $\frac{1}{16}$ — 1 $\frac{5}{8}$	1 $\frac{11}{16}$	.70

Refer to page C-69 for bushing specifications

QD® is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.



CHAIN TECHNICAL DATA

Size	35
Pitch	$\frac{3}{8}$ "
Inside Width	$\frac{3}{16}$ "
Roller Diameter	.200"